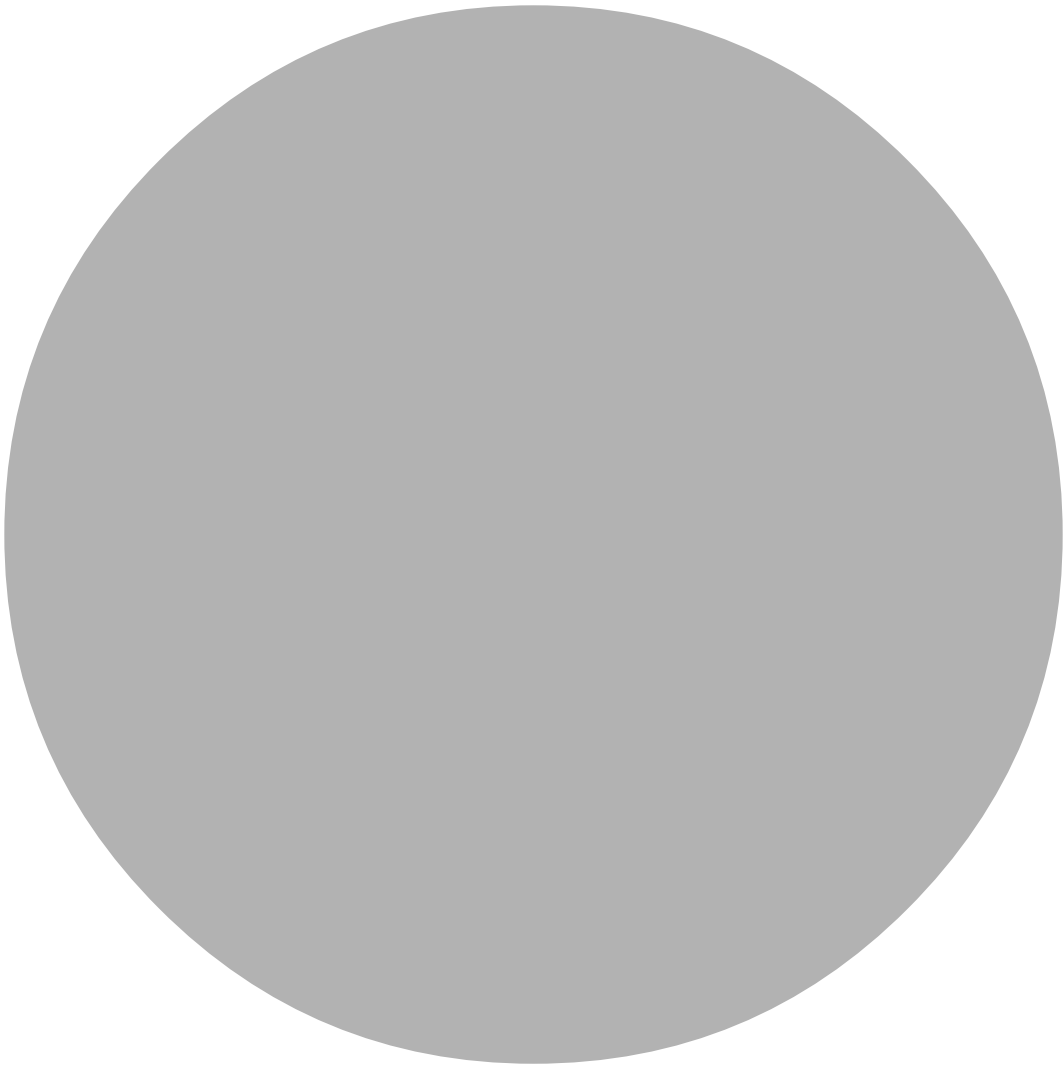


SIEMENS

KION

Service Manual – Addendum 1999-11-15



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Spare parts

For information regarding spare parts, please refer to the KION Spare Parts List, Order No. 63 08 956 E392E.

As the assortment of spare parts is being revised as the development of the product proceeds, revisions to the above referenced spare parts list was published in the July 29, 1999 EM EXPRESS titled "LSS – Spare Parts News".

Additionally, the PC 1730 Control with CON-SW V012.04 or lower is no longer available as spare part. The new version (V012.05) of this board is part of the mandatory "KION Update 1999-09" -kit, which is to be installed in all units ASAP. For further information, see Update Instructions (UI) EM007/99/S.

Should this PC-board need to be replaced on a unit that has not yet been subject to the aforesaid update, the only possible solution is to perform the update.

The above referenced EM EXPRESS as well as the Update Instructions (UI's) are available on the **TD Intranet Information Server**.

External connections / MIB Output ports

A label indicating the function of the external connection ports is attached close to these ports. Due to a printing error, the two MIB ports have been transposed on older versions of this label.

Correct information is that:

- The port to the left is MIB1.
- The port to the right is MIB2.

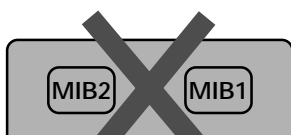
Please note that the output data from these two ports is identical. Thus the MIB Connector can be connected to any one of the MIB ports.

The only way for a user to notice this error is to open the "Component log" in the KION Display. Equipment connected to MIB1 (according to the misprinted label) will be correctly indicated as connected to MIB2 in the "Component log".

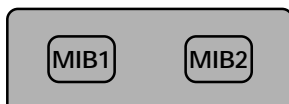
External connection labels with this printing error will be replaced as a corrective action included in Update 1999-09.



External connections-label



Incorrect version

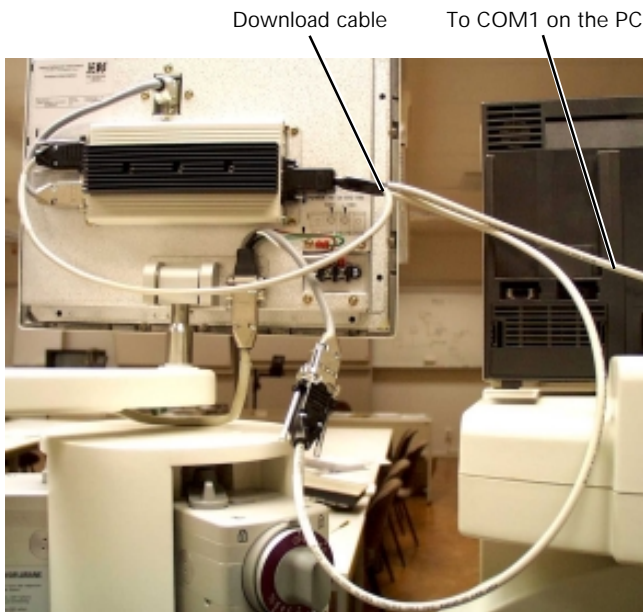


Correct version

External connections-label

Calibration of MGM

A new version of the Calibration Instructions for MULTIgas and MULTIgas + Modules is under production. This will soon be published on the **TD Intranet Information Server**.



DuoVIEW – ISD software installation setup

DuoVIEW – ISD software installation

The version of installed ISD software is shown on the DuoVIEW during the start-up sequence.

A PC with 3.5" floppy drive must be used when updating the ISD software. The illustration shows how to connect the download cable (55 96 502 E537U).

The ISD software in the DuoVIEW must be of the same version as the KION Display-software.

Internal battery

Internal batteries are not supplied as spare parts, batteries must be purchased locally. A list of approved batteries can be found in the KION – Service Manual and on a label inside the battery drawer.

Please note that the VARTA Type accu-CF battery, stated in the list of recommended batteries, is no longer produced.

Battery capacity indication

The actual capacity of the internal battery is continuously shown on the KION display by means of a battery voltage bargraph. A fully charged battery is thus indicated as "100%" .

An internal battery discharge / recharge process will automatically start e. g. when the KION System is reconnected to mains power supply.

- During the discharge sequence (approx. 20 min), the bargraph will show "100%" .
- During the recharge sequence that follows (approx. 60 min), the bargraph will start at approx. "50%" and rise to "100%" .

This is a normal function of the KION System and is not an indication of battery error.

Troubleshooting

The text below is a revised version of Recommended actions if the "Checking bellows level detector" test fails. It replaces the corresponding text on page 5-13 in the KION – Service Manual, 1st English edition.

- Clean the bellows container and the "window" on the bellows position sensor.
- Check the bellows position sensor function (KION System in Standby and the bellows in bottom position):
 - Connect a voltmeter between connector P46/Pin C9 on PC 1750 Transducer and GND.
 - If the voltmeter shows 0 V; replace PC 1750 Transducer.
 - If the voltmeter shows +5 V:
 - Cover the bellows position sensor "window" with a piece of white paper and check that the voltage showed on the voltmeter drops to 0 V *or if possible*
 - Run the KION System and check that the voltage showed on the voltmeter toggles between +5 V (bellows in a lower position) and 0 V (bellows in top position).
 - If the voltage remains +5 V (constant) during this test;
 1. Replace PC 1750 Transducer
 2. Replace PC 1766 Bellows position sensor
 3. Replace the cable connecting PC 1766 / PC 1733.
- Redo the "Checking flow transducers" test after each action.
- If the test is successfully passed, the fault was located.
- If the test still fails, contact Siemens-Elema, Technical Service Support.

Maintenance

A limited number of early KION Systems was not equipped with gas inlet filters in the Gas Distribution Block and the design of this Block does not permit subsequent fitting of filters in the gas inlet channels.

Thus, the "I. Gas inlet filters" included in the "Maintenance kit 12 months for Kion" cannot be used on these early KION Systems.